Changed a file from non-ASCII to ASCII  Changed the margins in cases where the sequence text was "wrapped" down Edited a format error in the Current Application Data section, specifically:  Edited the Current Application Data section with the actual current number. T applicant was the prior application data; or other  Added the mandatory heading and subheadings for "Current Application Data Edited the "Number of Sequences" field. The applicant spelled out a number Changed the spelling of a mandatory field (the headings or subheadings), specifically:  Corrected the SEQ ID NO when obviously incorrect. The sequence numbers Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID N	The number inputted by the instead of using an integer. ecifically:
Changed the margins in cases where the sequence text was "wrapped" down Edited a format error in the Current Application Data section, specifically:  Edited the Current Application Data section with the actual current number. Tapplicant was the prior application data; or other  Added the mandatory heading and subheadings for "Current Application Data Edited the "Number of Sequences" (ield. The applicant spelled out a number Changed the spelling of a mandatory field (the headings or subheadings), spectorected the SEQ ID NO when obviously incorrect. The sequence numbers	The number inputted by the instead of using an integer. ecifically:
Edited a format error in the Current Application Data section, specifically:  Edited the Current Application Data section with the actual current number. Tapplicant was the prior application data; or other  Added the mandatory heading and subheadings for "Current Application Data Edited the "Number of Sequences" (field. The applicant spelled out a number Changed the spelling of a mandatory field (the headings or subheadings), specifically:	The number inputted by the instead of using an integer. ecifically:
Edited the Current Application Data section with the actual current number. Tapplicant was the prior application data; or other  Added the mandatory heading and subheadings for "Current Application Data Edited the "Number of Sequences" (field. The applicant spelled out a number Changed the spelling of a mandatory field (the headings or subheadings), specific corrected the SEQ ID NO when obviously incorrect. The sequence numbers	The number inputted by the
applicant was the prior application data; or other	instead of using an integer. ecifically: that were edited were:
Edited the "Number of Sequences" (field. The applicant spelled out a number Changed the spelling of a mandatory field (the headings or subheadings), spe	instead of using an integer. ecifically: that were edited were:
Changed the spelling of a mandatory field (the headings or subheadings), spe	that were edited were:
Corrected the SEQ ID NO when obviously incorrect. The sequence numbers	that were edited were:
	. 1
Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID N	IO's edited:
•	
Corrected subheading placement. All responses must be on the same line as applicant placed a response below the subheading, this was moved to its appr	•
Inserted colons after headings/subheadings. Headings edited included:	
Deleted extra, invalid, headings used by an applicant, specifically:	
Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary ☐ page numbers throughout text; ☐ other invalid text, such as	y initials/filename at end of file
Inserted mandatory headings, specifically:	
Corrected an obvious error in the response, specifically:	
Edited identifiers where upper case is used but lower case is required, or vice	versa.
Corrected an error in the Number of Sequences field, specifically:	- - -
A "Hard Page Break" code was inserted by the applicant. All occurrences had	d to be deleted.
Deleted <i>ending</i> stop codon in amino acid sequences and adjusted the "(A)Lendue to a Patentin bug). Sequences corrected:	
Other:	

\*Examiner: The abov corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

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NIG 02 2000

RAW SEQUENCE LISTING DATE: 07/21/2000 PATENT APPLICATION: US/09/155,514A TIME: 13:05:13

TECH CENTER 1600/2900

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Output Set: N:\CRF3\07212000\I155514A.raw

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             Tanaka, Toshiaki
        <120> TITLE OF INVENTION: Chimeric proteins, their heterodimer complexes, and platelet
              substitutes
     7 <130> FILE REFERENCE: 1102-98
W--> 8 <140> CURRENT APPLICATION NUMBER: US/09/155,514A
C--> 8 <141> CURRENT FILING DATE: 1998-11-17
      9 <150> PRIOR APPLICATION NUMBER: PCT/JP98/00370
     10 <151> PRIOR FILING DATE: 1997-01-29
     11 <150> PRIOR APPLICATION NUMBER: JP 9-15118
     12 <151> PRIOR FILING DATE: 1997-01-29
     13 <150> PRIOR APPLICATION NUMBER: JP 9-234544
     14 <151> PRIOR FILING DATE: 1997-08-29
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     16 <170> SOFTWARE: Microsoft Word 2000
     18 <210> SEQ ID NO: 1
     19 <211> LENGTH: 4228
     20 <212> TYPE: DNA
     21 <213> ORGANISM: Homo sapien
     23 <220> FEATURE:
     24 <221> NAME/KEY: CDS
     25 <222> LOCATION: 1...2958, 3316...3360, 3480...3808, 3905...4228
     27 <400> SEQUENCE: 1
     28 atg ttc ccc acc gag agc gca tgg ctt ggg aag cga ggc gcg aac ccg
                                                                               48
     29 Met Phe Pro Thr Glu Ser Ala Trp Leu Gly Lys Arg Gly Ala Asn Pro
                     - 35
                                            -30
     31 ggc ccc gaa gct gca ctc cgg gag acg gtg atg ctg ttg ctg tgc ctg
     32 Gly Pro Glu Ala Ala Leu Arg Glu Thr Val Met Leu Leu Cys Leu 33 -20 -15 -10
     34 ggg gtc ccg acc ggc agg cct tac aac gtg gac act gag agc gcg ctg
     35 Gly Val Pro Thr Gly Arg Pro Tyr Asn Val Asp Thr Glu Ser Ala Leu
     37 ctt tac cag ggc ccc cac aac acg ctg ttc ggc tac tcg gtc gtg ctg
                                                                              192
     38 Leu Tyr Gln Gly Pro His Asn Thr Leu Phe Gly Tyr Ser Val Val Leu
     39 10
                             15
                                                  20
     40 cac age cac ggg gcg aac cga tgg ctc cta gtg ggt gcg ccc act gcc
                                                                              240
     41 His Ser His Gly Ala Asn Arg Trp Leu Leu Val Gly Ala Pro Thr Ala
     42
                         30
                                              35
     43 aac tgg ctc gcc aac gct tca gtg atc aat ccc ggg gcg att tac aga
     44 Asn Trp Leu Ala Asn Ala Ser Val Ile Asn Pro Gly Ala Ile Tyr Arg
                    45
     46 tgc acg atc gga aag aat ccc ggc cag acg tgc gaa cag ctc cag ctg 47 Cys Arg Ile Gly Lys Asn Pro Gly Gln Thr Cys Glu Gln Leu Gln Leu
                                                                              336
                60
                                     65
     49 ggt agc cct aat gga gaa cct tgt gga aag act tgt ttg gaa gag aga
                                                                              384
     50 Gly Ser Pro Asn Gly Glu Pro Cys Gly Lys Thr Cys Leu Glu Glu Arg
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MUG 02 2000

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DATE: 07/21/2000 TIME: 13:05:13 RAW SEQUENCE LISTING PATENT APPLICATION: US/09/155,514A

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Output Set: N:\CRF3\07212000\I155514A.raw

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54	90					95					100					105	400
												aat					480
57	GIĀ	ser	TTE	Val	110	Cys	стА	HIS	Arg	115	глу	Asn	TIE	Pne	120	ire	
- ,	ааσ	aat	паа	aat		ctc	ccc	act	aat		tac	tat	aaa	αtα		cct	528
												Tyr					320
60	цуз	NJII	oru	125	1173	пси	110	1111	130	OLY	Cys	111	013	135	110	110	
	gat.	t.t.a	cga		gaa	cta	aσt	aaa		at.a	act.	ccg	t.at		caa	gat	576
												Pro					
63	-		140					145	_				150	-		-	
64	tat	gtg	aaa	aaa	ttt	gga	gaa	aat	ttt	gca	tca	tgt	caa	gct	gga	ata	624
65	Tyr	Val	Lys	Lys	Phe	Gly	Glu	Asn	Phe	Ala	Ser	Cys	Gln	Ala	Gly	Ile	
66		155					160					165					
												ggg					672
		Ser	Phe	Tyr	Thr		Asp	Leu	Ile	Val		Gly	Ala	Pro	Gly		
	170					175					180					185	700
												ata					720
72	ser	TYL	тгр	THE	190	Ser	Leu	rne	vai	195	ASII	lle	THE	THE	200	гаг	
	tac	ааσ	act	+++		gac.	222	caa	aat		ata	aaa	+++	ana		tat	768
												Lys					, 00
75	-1-			205			-1-		210			-1-		215		-1-	
76	tta	gga	tat	tca	gtc	gga	gct	ggt	cat	ttt	cgg	agc	cag	cat	act	acc	816
												Ser					
78			220					225					230				
												att					864
	Glu		Val	Gly	Gly	Ala		Gln	His	Glu	Gln	Ile	Gly	Lys	Ala	Tyr	
81		235			4.		240					245					0.7.0
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	250	Pile	ser	116	ASP	255	ьуѕ	GIU	Leu	ASII	260	Leu	nis	GIU	mec	265	
		aaa	аап	ctt	aga		tac	+++	aaa	act		gtc	tat	act	ata		960
												Val					200
87		-1-	-1 -		270		-1-			275			-1-		280		
88	ctc	aat	gca	gat	ggc	ttc	tca	gat	ctg	ctc	gtg	gga	gca	ccc	atq	cag	1008
89	Leu	Asn	Ala	Asp	Gly	Phe	Ser	Asp	Leu	Leu	Val	Gly	Ala	Pro	Met	Gln	
90				285					290					295			
												tac					1056
	Ser	Thr		Arg	Glu	Glu	Gly	_	Val	Phe	Val	$\mathbf{Tyr}$		Asn	Ser	Gly	
93			300					305					310				
												ctc					1104
96	ser	315	Ala	val	met	Asn	320	мет	Glu	Thr	Asn	Leu 325	val	GIY	Ser	Asp	
	222		act	~~~	202	+++		~ = =	+ 0+	2+2	a++	aat	att	~~~	~~~	a++	1152
												Asn					1132
	330	-1-		LILU	.11.9	335	317	JIU	JU1	-10	340	.1011		J + 1	.,,55	345	
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Input Set : A:\Pto.amc
Output Set: N:\CRF3\07212000\I155514A.raw

														5				
	Asp	Asn	Asp	Gly				Val	Ála	Ile	Gly	Ala	Pro	Gln'	Glu	Asp	4	
102	. 0				350	)	70			355			1.7	77	360	. 8		
103	gac	ttg	caa	ggt	gct	att	tat	att	tac	aat	ggc	cgt	gca	gat	ggg	atc	1248	
104	Asp	Leu	Gln	Gly	Ala	Ile	Tyr	Ile	Tyr	Asn	Gly	Arg	Ala	Asp	Gly	Ile		
105			-	365	37.			9	370			41	1.0	375	8			
106	tcg	tca	acc	ttc	tca	cag	aga	att	gaa	gga	ctt	cag	atc	agc	aaa.	tcg	1296	
107	Ser	Ser	Thr	Phe	Ser	Gln	Arg	Ile	Glu	Gly	Leu	Gln	~Ile	Ser	Lys	Ser		
108			380					385					390				1	
109	tta	aqt	atg	ttt	gga	cag	tct	ata	tca	gga	caa	att	gat	gca	gat	att	1344	
110	Leu	Ser	Met	Phe	Gly	Gln	Ser	Ile	Ser	Gly	Gln	Ile	Asp	Ala	Asp	Asn		
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.112	aat	ggc	tat	gta	gat	qta	qca	qqt	cqt	gct	ttt	cgg	tct	gat	tct	gct	1392	
113	Asn	Glv	Tyr	Val	Asp	Val	Ála	Val	Gĺv	Ala	Phe	Arg	Ser	Asp	Ser	Ala		
	410	1			_	415			_		420					425		
115	gtc	tta	cta	agg	aca		cct	qt.a	gta	att	att	qac	qct	tct	tta	agc	1440	
116	Val	T.Au	Len	Ara	Thr	Ara	Pro	Val	Val	Ile	val.	Asp	Āla	Ser	Leu	Ser		
117	·uı				430	9				435					440			
110	cac	cct	σaσ	tca		aat	aga	acq	aaa		gac	tat.	at.t.	gaa	aat	qqa	1488	
110	His	Dro	Clu	Sor	Val	Aen	Ara	Thr	LVS	Phe	Asn	Cvs	Val.	Glu	Asn	Ğĺv		
120	птэ	FIO		445	4 th 1	1311	Arg	****	450			0,0		455		4		
120	tgg	aa+			+ ~ ~	2+2	~ a +	ot a		ctt	tat	ttc	tca		aaα	aac	1536	
127	Trp	Dwa	Con	7723	Cura	Tlo	3an	Lou	Thr	Len	Cve	Dhe	Ser	Tur	Lvs	Glv		
	тгр	PIO	460	Vai	Cys	116	АБР	465	1111	Deu	Cys	riic	470	-1-	225	011		
123	aag								++~	+++	+ - +	220		ant	tta	cat	1584	
124	aag	gaa	911	Desa	991	Tac	Tla	77-1	Tou	Dho	Trans.	Acn	Mot	Cor	T.OII	Aen	230.	
	Lys		٧aı	Pro	GTA	TYL		Val	Leu	Pile	тут	485	Mec	261	neu	ASP		
126		475					480				++~		++0	tot	tat	3 a +	1632	
127	gtg	aac	aga	aag	gca	gag	tet	cca	CCa	aya	Dha	mar	Dho	Cor	Cox	Aan	1032	
	Val	Asn	Arg	rās	Ala		Ser	Pro	Pro	Arg	500	TYL	PHE	Ser	Ser	505		
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130	gga	act	tct	gac	gtg	att	aca	gga	agc	ata	cag	919	CCC.	age	aya	gaa	1000	
	Ğĺy	Thr	Ser	Asp		TTE	Tnr	GIY	ser		GIN	Val	ser	ser	MIG	GIU		
132					510					515					520		1728	
133	gct	aac	tgt	aga	aca	cat	caa	gca	ttt	atg	cgg	aaa	gat	grg	egg	gac	1/20	
	Ála	Asn	Cys		Thr	His	GIn	Ala		Met	Arg	гĀг	Asp		Arg	ASP		
135				525					530					535			1776	
136	atc	ctc	acc	cca	att	cag	att	gaa	gct	gct	tac	cac	ctt	ggt	cct	cat	1776	
137	Ile	Leu		Pro	Ile	Gln	Ile		Ala	Ala	Tyr	His		GTĀ	Pro	HIS		
138			540					545					550					
139	gtc	atc	agt	aaa	cga	agt	aca	gag	gaa	ttc	cca	cca	ctt	cag	cca	att	1824	
140	Val	Ile	Ser	Lys	Arg	Ser		Glu	Glu	Phe	Pro			Gin	Pro	lle		
141		555					560					565						
142	ctt	cag	cag	aag	aaa	gaa	aaa	gac	ata	atg	aaa	aaa	aca	ata	aac	ttt	1872	
143	Leu	Gln	Gln	Lys	Lys	Glu	Lys	Asp	Ile	Met	Lys	Lys	Thr	Ile	Asn			
	570					575					580					585		
145	gca	agg	ttt	tgt	gcc	cat	gaa	aat	tgt	tct	gct	gat	tta	cag	gtt	tct	1920	i
146	Āla	Arg	Phe	Cys	Ala	His	Glu	Asn	Cys	Ser	Ala	Asp	Leu	Gln	Val	Ser		
147					590					595					600			
	gca																1968	i
	Ála																	
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													Leu				
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		_	-	-		_					-		Leu				
156		635					640					645				4	
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													Gln				
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160	qaa	qtc	aca	gat	aac	tct	qqc	ata	qta	caa	ctt	qac	tgc	aqt	att	aac	2160
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163	tat	ata	tat	gta	gat	cat	ctc	tca	agg	ata	qat	att	agc	ttt	ctc	ctq	2208
				-	_						-		Ser			_	
165	•		•	685	-				69Õ		•			695			
166	qat	qtq	agc	tca	ctc	agc	aqa	qcq	gaa	gag	qac	ctc	agt	atc	aca	gtg	2256
													Ser				
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169	cat	gct	acc	tgt	gaa	aat	gaa	qaq	qaa	atq	qac	aat	cta	aaq	cac	agc	2304
													Leu				
171		715		-			720				-	725		-			
172	aga	gtg	act	gta	gca	ata	cct	tta	aaa	tat	gag	gtt	aag	ctg	act	gtt	2352
173	Arg	Val	Thr	Val	Ala	Ile	Pro	Leu	Lys	Tyr	Glu	Val	Lys	Leu	Thr	Val	
174	730					735			_	_	740		-			745	
175	cat	qqq	ttt	gta	aac	cca	act	tca	ttt	qtq	tat	gga	tca	aat	gat	gaa	2400
176	His	Gly	Phe	Va1	Asn	Pro	Thr	Ser	Phe	Val	Tyr	Gly	Ser	Asn	Asp	Ğlu	
177		-			750					755	_	-			760		
178	aat	gag	cct	gaa	acg	tgc	atg	gtg	gag	aaa	atg	aac	tta	act	ttc	cat	2448
179	Asn	Glu	Pro	Glu	Thr	Cys	Met	Val	Glu	Lys	Met	Asn	Leu	Thr	Phe	His	
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182	Val	Ile	Asn	Thr	Gly	Asn	Ser	Met	Ala	Pro	Asn	Val	Ser	Val	Glu	Ile	
183			780					785					790				
184	atg	gta	cca	aat	tct	ttt	agc	CCC	caa	act	gat	aag	ctg	ttc	aac	att	2544
185	Met	Val	Pro	Asn	Ser	Phe	Ser	Pro	Gln	Thr	Asp	Lys	Leu	Phe	Asn	Ile	
186		795					800					805					
187	ttg	gat	gtc	cag	act	act	act	gga	gaa	tgc	cac	ttt	gaa	aat	tat	caa	2592
		Asp	Val	Gln	Thr	Thr	Thr	Gly	Glu	Cys	His	Phe	Glu	Asn	${ t Tyr}$	Gln	
189	810					815					820					825	
													cag				2640
	Arg	Val	Cys	Ala		Glu	Gln	Gln	Lys		Ala	Met	Gln	Thr	Leu	Lys	
192					830					835					840		
													cta				2688
	Gly	Ile	Val		Phe	Leu	Ser	Lys		Asp	Lys	Arg	Leu		Tyr	Cys	
195				845					850					855			
													aat				2736
	Ile	Lys		Asp	Pro	His	Cys		Asn	Phe	Leu	Cys	Asn	Phe	Gly	Lys	
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201		875					880					885					
	cca																2832
	Pro	Ser	IIe	Leu	GLu		Asp	Glu	Thr	Ser		Leu	Lys	Phe	Glu		
	890					895					900					905	
	aga																2880
	Arg	Ala	Thr	GLŸ		Pro	GLu	Pro	Asn		Arg	Val	He	Glu		Asn	
207					910				_4_	915			_ 4		920		2020
	aag																2928
	Lys	Asp	GIU	925	vai	Ата	HIS	val		Leu	GIU	GTÄ	ren		HIS	GIN	
210	aga		222		+ = +	++0	200	aa+	930	~~~	o+ a	2+ aa		935	n+ a a a	7.0	2978
	Arq			_			_	_			CLG	Lygo	iay (	ayyı	Jucas	30	29/0
213	Arg	PIO	940	AI 9	TAT	rne	1111	945	PIO	GIU							
	acto	rctaa		TOAC	rcate	C C	ract		acc	occa.	rtcc	agg	rcan	aa (	racar	qecec	3038
	-	-						-			-					cttct	3098
																tgcaca	
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220	0000		••••	Jou 5	-uu-		, uu c			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-				-	s Asp	3300
221											010		950		· 0 <sub>2</sub> .		
	aaa	act	cac	aca	tac	cca	cca	tac	cca	aat:	aaac	an o		-	tc		3380
	Lys									2200		, es		,,,,,,			5500
224	-,5	955			C <sub>I</sub> S		960	O <sub>I</sub> O									
	acco		age 1	caac	acad	or ac		tacco	: tac	agta	agee	taca	at.cca	ασα σ	racao	ggcccc	3440
	age																3493
227	,	. , , , .	- , -		,						-		-		eu Le	-	
228														55			
229	qqq	qqa	ccq	tca	qtc	ttc	ctc	ttc	ccc	cca	aaa	ccc	aaq	gac	acc	ctc	3541
	Gly																
231	-	-	970					975			•		980	-			
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233	Met	Ile	Ser	Arg	Thr	Pro	Glu	Val	Thr	Cys	Val	Val	Val	Asp	Val	Ser	
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237	1000	)			- 1	1005				-	1010					1015	
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233	Val						Lys	Pro	Arg	GIU	GLU	Gln	Tyr	Asn	Ser	Inr	
240				Ala			Lys	Pro		L025	Glu	Gln	Tyr		Ser 1030	Tnr	
240		His	Asn	Ala	Lys 1020	Thr	_			L025			_	:	1030		3733
240 241	Val	His cgg	Asn gtg	Ala gtc	Lys 1020 agc	Thr gtc	ctc	acc	gtc	L025 ctg	cac	cag	gac	tgg	1030 ctg	aat	3733
240 241	Val tac	His cgg	Asn gtg Val	Ala gtc	Lys 1020 agc	Thr gtc	ctc	acc Thr	gtc	L025 ctg	cac	cag	gac Asp	tgg	1030 ctg	aat	3733
240 241 242 243	Val tac	His cgg Arg	Asn gtg Val	Ala gtc Val 1035	Lys 1020 agc Ser	Thr gtc Val	ctc Leu	acc Thr	gtc Val LO40	L025 ctg Leu	cac His	cag Gln	gac Asp	tgg Trp L045	1030 ctg Leu	aat Asn	3733 3781
240 241 242 243 244	Val tac Tyr	His cgg Arg aag	Asn gtg Val gag	gtc Val 1035 tac	Lys 1020 agc Ser	Thr gtc Val tgc	ctc Leu aag Lys	acc Thr gtc Val	gtc Val 1040 tcc	ctg Leu aac	cac His	cag Gln gcc	gac Asp	tgg Trp 1045 cca	1030 ctg Leu gcc	aat Asn ccc	
240 241 242 243 244	Val tac Tyr ggc	His cgg Arg aag Lys	Asn gtg Val gag	gtc Val 1035 tac	Lys 1020 agc Ser	Thr gtc Val tgc	ctc Leu aag Lys	acc Thr gtc	gtc Val 1040 tcc	ctg Leu aac	cac His	cag Gln gcc Ala	gac Asp	tgg Trp 1045 cca	1030 ctg Leu gcc	aat Asn ccc	

VERIFICATION SUMMARY DATE: 07/21/2000 PATENT APPLICATION: US/09/155,514A TIME: 13:05:14

Input Set : A:\Pto.amc

Output Set: N:\CRF3\07212000\I155514A.raw

L:5 M:283 W: Missing Blank Line separator, <120> field identifier L:7 M:283 W: Missing Blank Line separator, <130> field identifier L:8 M:282 W: Numeric Field Identifier Missing, <140> CURRENT APPLICATION NUMBER: is Added. L:8 M:271 C: Current Filing Date differs, Replaced Current Filing Date L:15 M:283 W: Missing Blank Line separator, <160> field identifier L:505 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4 L:507 M:283 W: Missing Blank Line separator, <400> field identifier L:516 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5 L:528 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6 L:541 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7 L:554 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8 L:566 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:9 L:578 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10 L:590 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11 L:602 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:12 L:612 M:283 W: Missing Blank Line separator, <220> field identifier L:613 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:13 L:615 M:283 W: Missing Blank Line separator, <400> field identifier L:625 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:14 L:637 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15 L:651 M:283 W: Missing Blank Line separator, <400> field identifier L:660 M:283 W: Missing Blank Line separator, <220> field identifier L:660 M:256 W: Invalid Numeric Header Field, <220> has non-blank data L:663 M:283 W: Missing Blank Line separator, <400> field identifier  $L:672\ M:283\ W:$  Missing Blank Line separator, <220> field identifier L:672 M:256 W: Invalid Numeric Header Field, <220> has non-blank data L:968 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:20 L:980 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:21 L:992 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:22 L:1004 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:23 L:1041 M:256 W: Invalid Numeric Header Field, <220> has non-blank data

1644

DATE: 07/18/2000 RAW SEQUENCE LISTING PATENT APPLICATION: US/09/155,514A TIME: 13:51:00

Input Set : A:\09155514.app

Output Set: N:\CRF3\07182000\II55514A.raw

Does Not Comply Corrected Diskette Needed

```
3 <110> APPLICANT: Kainoh, Mie
              Tanaka, Toshiaki
W--> 5 <120> TITLE OF INVENTION: Chimeric proteins, their heterodimer complexes, and platelet
             substitutes
W--> 6
W--> 7 <130> FILE REFERENCE: 1102-98
W--> 8 <140> CURRENT APPLICATION NUMBER: US/09/155,514A
C--> 8 <141> CURRENT FILING DATE: 1998-11-17
      9 <150> PRIOR APPLICATION NUMBER: PCT/JP98/00370
     10 <151> PRIOR FILING DATE: 1997-01-29
     11 <150> PRIOR APPLICATION NUMBER: JP 9-15118
     12 <151> PRIOR FILING DATE: 1997-01-29
     13 <150> PRIOR APPLICATION NUMBER: JP 9-234544
     14 <151> PRIOR FILING DATE: 1997-08-29
W--> 15 <160> NUMBER OF SEQ ID: 34
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## ERRORED SEQUENCES

16 <170> SOFTWARE: Microsoft Word 2000

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18 <210> SEQ ID NO: 1
   19 <211> LENGTH: 4228
   20 <212> TYPE: DNA
   21 <213> ORGANISM: Homo sapien
   23 <220> FEATURE:
   24 <221> NAME/KEY: CDS
• 25 <222> LOCATION: 1...2958, 3316...3360, 3480...3808, 3905...4228
   27 <400> SEQUENCE: 1
   28 atg ttc ccc acc gag agc gca tgg ctt ggg aag cga ggc gcg aac ccg
   29 Met Phe Pro Thr Glu Ser Ala Trp Leu Gly Lys Arg Gly Ala Asn Pro
30 -35 -30 -25
                           -35
   31 ggc ccc gaa gct gca ctc cgg gag acg gtg atg ctg ttg ctg tgc ctg
32 Gly Pro Glu Ala Ala Leu Arg Glu Thr Val Met Leu Leu Cys Leu
                                                                                                        96
                        -20
                                                    -15
   34 ggg gtc ccg acc ggc agg cct tac aac gtg gac act gag agc gcg ctg
35 Gly Val Pro Thr Gly Arg Pro Tyr Asn Val Asp Thr Glu Ser Ala Leu
36 -5 5
                                                                                                       144
    37 ctt tac cag ggc ccc cac aac acg ctg ttc ggc tac tcg gtc gtg ctg 38 Leu Tyr Gln Gly Pro His Asn Thr Leu Phe Gly Tyr Ser Val Val Leu
                                                                                                       192
                                  15
                                                                20
    39 10
    40 cac agc cac ggg gcg aac cga tgg ctc cta gtg ggt gcg ccc act gcc 41 His Ser His Gly Ala Asn Arg Trp Leu Leu Val Gly Ala Pro Thr Ala
                                                                                                       240
                                                            35
                                30
   43 aac tgg ctc gcc aac gct tca gtg atc aat ccc ggg gcg att tac aga
44 Asn Trp Leu Ala Asn Ala Ser Val Ile Asn Pro Gly Ala Ile Tyr Arg
45 50 55
                                                                                                       288
    46 tgc acg atc gga aag aat ccc ggc cag acg tgc gaa cag ctc cag ctg
    47 Cys Arg Ile Gly Lys Asn Pro Gly Gln Thr Cys Glu Gln Leu Gln Leu
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RAW SEQUENCE LISTING DATE: 07/18/2000 PATENT APPLICATION: US/09/155,514A TIME: 13:51:00

Input Set : A:\09155514.app
Output Set: N:\CRF3\07182000\I155514A.raw

49 ggt agc cct aat gga gaa cct tgt gga aag act tgt ttg gaa gag aga 50 Gly Ser Pro Asn Gly Glu Pro Cys Gly Lys Thr Cys Leu Glu Glu Arg 80 52 gac aat cag tgg ttg ggg gtc aca ctt tcc aga cag cca gga gaa aat 53 Asp Asn Gln Trp Leu Gly Val Thr Leu Ser Arg Gln Pro Gly Glu Asn 54 90 95 100 105 55 gga tcc atc gtg act tgt ggg cat aga tgg aaa aat ata ttt tac ata 56 Gly Ser Ile Val Thr Cys Gly His Arg Trp Lys Asn Ile Phe Tyr Ile 57 110 115 120 58 aag aat gaa aat aag ctc ccc act ggt ggt tgc tat gga gtg ccc cct 528 59 Lys Asn Glu Asn Lys Leu Pro Thr Gly Gly Cys Tyr Gly Val Pro Pro 125 130 61 gat tta cga aca gaa ctg agt aaa aga ata gct ccg tgt tat caa gat 62 Asp Leu Arg Thr Glu Leu Ser Lys Arg Ile Ala Pro Cys Tyr Gln Asp 63 140 145 150 64 tat gtg aaa aaa ttt gga gaa aat ttt gca tca tgt caa gct gga ata 65 Tyr Val Lys Lys Phe Gly Glu Asn Phe Ala Ser Cys Gln Ala Gly Ile 66 155 160 165 165  $67\ \text{tcc}$  agt ttt tac aca aag gat tta att gtg atg ggg gcc cca gga tca 68 Ser Ser Phe Tyr Thr Lys Asp Leu Ile Val Met Gly Ala Pro Gly Ser 175 180 70 tot tac tgg act ggc tot ott ttt gtc tac aat ata act aca aat aaa 71 Ser Tyr Trp Thr Gly Ser Leu Phe Val Tyr Asn Ile Thr Thr Asn Lys 72 190 195 200 73 tac aag gct ttt tta gac aaa caa aat caa gta aaa ttt gga agt tat 74 Tyr Lys Ala Phe Leu Asp Lys Gln Asn Gln Val Lys Phe Gly Ser Tyr 75 205 210 215 205 76 tta gga tat tca gtc gga gct ggt cat ttt cgg agc cag cat act acc 77 Leu Gly Tyr Ser Val Gly Ala Gly His Phe Arg Ser Gln His Thr Thr 78 220 225 230 816 79 gaa gta gtc gga gga gct cct caa cat gag cag att ggt aag gca tat 80 Glu Val Val Gly Gly Ala Pro Gln His Glu Gln Ile Gly Lys Ala Tyr 81 235 240 245 81 235 240 245 82 ata ttc agc att gat gaa aaa gaa cta aat atc tta cat gaa atg aaa 912 83 Ile Phe Ser Ile Asp Glu Lys Glu Leu Asn Ile Leu His Glu Met Lys 255 260 85 ggt aaa aag ctt gga tcg tac ttt gga gct tct gtc tgt gct gtg gac 86 Gly Lys Lys Leu Gly Ser Tyr Phe Gly Ala Ser Val Cys Ala Val Asp 87  $\phantom{\bigg|}270\phantom{\bigg|}275\phantom{\bigg|}275\phantom{\bigg|}280\phantom{\bigg|}$ 88 ctc aat gca gat ggc ttc tca gat ctg ctc gtg gga gca ccc atg cag 89 Leu Asn Ala Asp Gly Phe Ser Asp Leu Leu Val Gly Ala Pro Met Gln 90 285 290 295 91 agc acc atc aga gag gaa gga aga gtg ttt gtg tac atc aac tct ggc 1056 92 Ser Thr Ile Arg Glu Glu Gly Arg Val Phe Val Tyr Ile Asn Ser Gly 300 305 310 94 tcg gga gca gta atg aat gca atg gaa aca aac ctc gtt gga agt gac 95 Ser Gly Ala Val Met Asn Ala Met Glu Thr Asn Leu Val Gly Ser Asp

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/155,514A

DATE: 07/18/2000
TIME: 13:51:00

Input Set : A:\09155514.app
Output Set: N:\CRF3\07182000\I155514A.raw

97 a	aa t	at g	jet g	jca a	iga t	tt g	199 9	gaa t Slu S	ct a	ata q	gtt a 7al A	aat o	ett g Leu G	gc g	jac a Asp I	itt :le	1152
99 3						335	- 2				340			-	- 3	45	
		a a +	aat	aaa			gat	att	act	atc		act	cca	caa	gaa	gat	1200
100	yac	aat	yaı	Clar	Pho	Clu	Acn	Val	λla	Ile	Glu	Δla	Pro	Gln	Glu	Asp	
	ASP	ASII	ASP	GLY	350		rab	Val	ALG	355		ALG	110	0111	360		
102							+-+	_++				aat	~~~	~a+		ato	1248
103	gac	ttg	caa	ggt	gct	all	Tat	all.	Lac	aat	990	200	71a	yat Nan	999	Tlo	1240
	Asp	Leu	GIn		Ala	Пе	Tyr	116	Tyr	Asn	GIY	Arg	Ald	ASP	GTÅ	TTE	
105				365					370					375			1006
106	tcg	tca	acc	ttc	tca	cag	aga	att	gaa	gga	ctt	cag	atc	agc	aaa	tcg	1296
107	Ser	Ser	Thr	Phe	Ser	Gln	Arg		Glu	Gly	Leu	GIn		Ser	Lys	Ser	
108			380					385					390				
109	tta	agt	atg	ttt	gga	cag	tct	ata	tca	gga	caa	att	gat	gca	gat	att	1344
110	Leu	Ser	Met	Phe	G1y	Gln	Ser	Ile	Ser	Gly	Gln	Ile	Asp	Ala	Asp	Asn	
111		395					400					405					
112	aat	ggc	tat	gta	gat	gta	gca	ggt	cgt	gct	ttt	cgg	tct	gat	tct	gct	1392
113	Asn	Glv	Tyr	Val	Asp	Val	Ala	Val	Gly	Ala	Phe	Arg	Ser	Asp	Ser	Ala	
114		-			-	415					420					425	
115	atc	t.t a	cta	agg	aca	aga	cct	qta	qta	att	gtt	gac	gct	tct	tta	agc	1440
116	Val	Len	Leu	Arg	Thr	Arq	Pro	Val	va1	Ile	Val	Asp	Ala	Ser	Leu	Ser	
117				,	430					435		-			440		
118	cac	cct	gag	tca		aat	aσa	acα	aaa	ttt	qac	tat	att	qaa	aat	qqa	1488
110	Wie	Pro	Glu	Ser	Val	Asn	Ara	Thr	Lvs	Phe	Asp	Cvs	vаl	Ğlu	Asn	Gly	
120	1113	110	014	445	,				450			-1-		455		•	
	+ ~ ~	act	tat		tac	ata	cat	cta		ctt	tat	ttc	tica	tat	aag	aac	1536
121	Lyy	Dec	Cor	y . y	Cuc	Tla	Acn	Leu	Thr	Leu	Cve	Phe	Ser	Tyr	Lvs	Glv	
	тгр	PIO	460	Val	Cys	116	rap	465	1111	neu	Cy 5	1 110	470	-1-	2,0	0-7	
123						+	2++		++-	ttt	tat	220		ant	tta	cat	1584
124	aag	gaa	gtt.	CCa	991	Tac.	tla	yet	Tou	Phe	Trr-	Acn	Mat	Cor	Len	Aen	1304
	ьys		Vai	PIO	GTĀ	ıyı	480	Val	Leu	File	TYT	485	IIC C	JCI	ncu	no <sub>P</sub>	
126		475							~~~	200	++0		++0	+ c+	+ a+	aat	1632
127	gtg	aac	aga	aag	gca	gag	Con	Desa	Doo	aga	Dho	Tu-x	Dho	Cor	Cor	λan	1052
		Asn	Arg	răs	Ala		ser	PLO	PIO	Arg	500	IYI	PHE	ser	Ser	505	
129						495											1680
130	gga	act	tct	gac	gtg	att	aca	gga	agc	ata	cag	grg	CCC	aye	aya	gaa	1000
	Gly	Thr	Ser	Asp		He	Thr	GTĀ	Ser	Ile	GIn	Val	ser	ser		GIU	
132					510					515					520		1720
133	gct	aac	tgt	aga	aca	cat	caa	gca	ttt	atg	cgg	aaa	gat	gtg	cgg	gac	1728
134	Ala	Asn	Cys		Thr	His	Gln	Ala		Met	Arg	Lys	Asp		Arg	Asp	
135				525					530					535			
136	atc	ctc	acc	cca	att	cag	att	gaa	gct	gct	tac	cac	ctt	ggt	cct	cat	1776
137	Ile	Leu	Thr	Pro	Ile	Gln	Ile	Glu	Ala	Ala	Tyr	His		Gly	Pro	His	-
138			540					545					550				
139	gtc	atc	agt	aaa	cga	agt	aca	gag	gaa	ttc	cca	cca	ctt	cag	cca	att	1824
140	Val'	Ile	Ser	Lys	Arg	Ser	Thr	Glu	Glu	Phe	Pro	Pro	Leu	Gln	Pro	Ile	
141		555		_	-		560					565					
142	ctt	caq	caq	aaq	aaa	gaa	aaa	gac	ata	atg	aaa	aaa	aça	ata	aac	ttt	1872
143	Leu	Gln	Gln	Lys	Lys	Ğlu	Lys	Asp	Ile	Met	Lys	Lys	Thr	Ile	Asn	Phe	
	570	•-			•	575	-	•			580	_				585	
		aga	ttt	tat	qcc	cat	qaa	aat	tat	tct	gct	gat	tta	caq	gtt	tct	1920
113	504	~59		0,50	,,,,		5		- , -		J	, -		,	-		

RAW SEQUENCE LISTING PATENT APPLICATION: US/09/155,514A DATE: 07/18/2000 TIME: 13:51:00

Input Set : A:\09155514.app
Output Set: N:\CRF3\07182000\I155514A.raw

	146	Ala	Ara	Phe	Cys	Ala	His	Glu	Asn	Cvs	Ser	Ala	Asn	Len	Gln	Val	Ser		
	147	1144	9		013	590		OLU	71.511	0,5	595	niu	wob	Вси	OIII	600	501		
	148	gca	aag	att	ggg	ttt	ttg	aag	ccc	cat	gaa	aat	aaa	aca	tat	ctt	gct	1968	
		Ala	Lys	Ile	Gly	Phe	Leu	Lys	Pro		Glu	Asn	Lys	Thr	-	Leu	Ala		
	150				605					610					615				
					atg													2016	
	153	Val	GTA	620	Met	цуб	1111	ьец	625	Leu	ASII	vai	ser	630	Pne	ASII	Ald		
		qqa	gat		gca	tat	qaa	acq		cta	cat	atc	aaa		ccc	ata	aat	2064	
					Ăla														
	156		635					640					645						
					att													2112	
			Tyr	Phe	Ile	Lys		Leu	Glu	Leu	Glu		Lys	Gln	Ile	Asn	-		
	159		a+ a	303	gat	220	655	~~~	~ + ~	a+ >		660	~~~	+~~		a++	665	2160	
			-		Asp								-	_	_			2160	
	162	OIG	vul	1111	MSP	670	DCI	GLy	, aı	var	675	пси	пор	Cys	SCI	680	GIY		
	163	tat	ata	tat	gta	gat	cat	ctc	tca	agg	ata	gat	att	agc	ttt		ctg	2208	
	164	Tyr	Ile	Tyr	Val	Asp	His	Leu	Ser	Arg	Ile	Asp	Ile	Ser	Phe	Leu	Leu		
	165				685					690					695				
					tca													2256	
	168	Asp	Val	5er	Ser	Leu	Ser	Arg	A1a 705	GIu	GIu	Asp	Leu	5er 710	Ile	Thr	Val		
		cat	act		tgt	gaa	aat	σаа		gaa	atα	gac	aat		aaπ	cac	age	2304	
					Cys													2301	
	171		715		- 2			720					725		-1-				
	172	aga	gtg	act	gta	gca	ata	cct	tta	aaa	tat	gag	gtt	aag	ctg	act	gtt	2352	
		_	Val	Thr	Val	Ala		Pro	Leu	Lys	Tyr		Val	Lys	Leu	Thr			
		730					735					740					745	2400	
					gta Val													2400	
	177	1113	GLY	rne	Val	750	FIO	1111	361	FIIC	755	1 7 1	GIY	Ser	ASII	760	GIU		
		aat	gag	cct	gaa		tgc	atq	gtg	qaq		atq	aac	tta	act		cat	2448	
					Ğlu														
	180				765					770					775				
					act													2496	_
	182	Val	TTE	780	Thr	СТĀ	Asn	Ser	Met 785	Ala	Pro	Asn	Val	5er	Val	GIu	He	$\sim$	2111
E>		atσ	σta		aat	tct	ttt	age		caa	act	αat	aan		ttc	aac.	att	(2588)	2544
~ ,	185	Met	Val	Pro	Asn	Ser	Phe	Ser	Pro	Gln	Thr	Asp	Lvs	Leu	Phé	Asn	Tle		
	186		795					800		V			805						
	187	ttg	gat	gtc	cag	act	act	act	gga	gaa	tgc	cac	ttt	gaa	aat	tat	caa	2592	
			Asp	Val	Gln	Thr		Thr	Gly	Glu	Cys		Phe	Glu	Asn	${\tt Tyr}$			
	189						815					820					825		
					gca													2640	
	192	wrd	AGI	Cys	Ala	830	GIU	GTII	GTII	ոչ	835	HIG	мес	GIII	rnr	840	пλя		
	-	qqc	ata	qtc	cgg		ttα	tcc	aaσ	act		aaσ	ago	cta	tta		tac	2688	
	194	Gly	Ile	Val	Arg	Phe	Leu	Ser	Lys	Thr	Asp	Lys	Arq	Leu	Leu	Tyr	Cys	2000	
		-			_				-		-	•				•	•		

RAW SEQUENCE LISTING PATENT APPLICATION: US/09/155,514A DATE: 07/18/2000 TIME: 13:51:00

Input Set : A:\09155514.app
Output Set: N:\CRF3\07182000\I155514A.raw

						_	•		•		•						
195				845					850					855			
	ata	aaa	qct		cca	cat	tať	tta		ttc	tta	tat	aat	ttt	aga	aaa	2736
								Leu									
198		-	860	•			-	865				-	870		-	•	
	atq	qaa	agt	qqa	aaa	qaa	qcc	agt	att	cat	atc	caa	ctq	qaa	qqc	caa	2784
								Ser									
201		875		1	-4-		880					885			1	)	
202	cca	tcc	att	tta	qaa	atq	gat	gag	act	tca	qca	ctc	aag	ttt	qaa	ata	2832
								Ğlu									
	890					895	•				900		-			905	
205	aga	qca	aca	qqt	ttt	cca	qaq	cca	aat	cca	aga	qta	att	gaa	cta	aac	2880
								Pro									
207	•			•	910					915	,				920		
	aaq	qat	qaq	aat	qtt	qcq	cat	gtt	cta	ctq	qaa	qqa	cta	cat	cat	caa	2928
								Val									
210	•	•		925					930			•		935			
211	aqa	ccc	aaa	cqt	tat	ttc	acq	gat	ccc	gag	ctq	ctaga	aaq o	caqq	ctca	ac .	2978
								Asp			_	,,	_				
213	•		940	-	-			945									
214	gcto	cctgo	cct (	ggac	gcato	ec co	geta	atgca	a gc	ccca	tcc	agge	gcago	caa (	ggca	ggcccc	3038
																tcttct	
216	qqct	tttt1	cc d	caggo	ctct	ag go	caggo	cacac	1 9C1	taggi	tgcc	ccta	acco	cag (	gccc:	tgcaca	3158
											-			_	-	tgcccc	
218	tgad	cta	age (	cac	ccaa	ia qo	accaa	acto	t to	cácto	ccct	cago	ctcad	gac a	acct	tetete	3278
219	ctc	ccaga	att o	cagi	caact	to co	aato	cttct	cto	ctgca	a gaq					t gac	3333
219 220	ctc	ccaga	att (	ccag	caact	te e	caato	ettet	cto	ctgca		g ccc	aaa	i-tc	t tg		
	ctc	ccaga	att o	ccagi	caact	te e	caato	cttct	cto	ctgca		g ccc	aaa	tci S Se	t tg	t gac	
220 221								tgc			Gli	g cco	2 aaa 2 Lys 950	i ·tc: s Se:	t tg: r Cy:	t gac	
220 221 222	aaa	act	cac	aca	tgc	cca	ccg		cca		Gli	g cco	2 aaa 2 Lys 950	i ·tc: s Se:	t tg: r Cy:	t gac	3333
220 221 222	aaa	act	cac	aca	tgc	cca	ccg	tgc	cca		Gli	g cco	2 aaa 2 Lys 950	i ·tc: s Se:	t tg: r Cy:	t gac	3333
220 221 222 223 224	aaa Lys	act Thr 955	cac His	aca Thr	tgc Cys	cca Pro	ccg Pro 960	tgc Cys	cca Pro	ggta	Gli	g cco i Pro	e aaa D Lys 950 CCCas	a to s Se ) ggcc	t tg: r Cy: tc	t gac	3333 3380
220 221 222 223 224 225	aaa Lys gcco	act Thr 955	cac His	aca Thr	tgc Cys ggcgg	cca Pro gg ac	ccg Pro 960 caggt	tgc Cys	cca Pro	ggta gagta	Gli aagco	g ccc i Pro cag o	e aaa o Lys 950 cccaq	s Sei	t tg: r Cy: tc gaca;	t gac s Asp ggcccc	3333 3380
220 221 222 223 224 225	aaa Lys gcco	act Thr 955	cac His	aca Thr	tgc Cys ggcgg	cca Pro gg ac	ccg Pro 960 caggt	tgc Cys	cca Pro	ggta gagta	Gli aaged agee ca ge	g ccc i Pro cag o	e aaa D Lys 950 DCCas atccas	ggcci	t tg: r Cy: tc gaca; tc c:	t gac s Asp ggcccc tg	3333 3380 3440
220 221 222 223 224 225 226	aaa Lys gcco	act Thr 955	cac His	aca Thr	tgc Cys ggcgg	cca Pro gg ac	ccg Pro 960 caggt	tgc Cys	cca Pro	ggta gagta	Gli aaged agee ca ge	tgca	y aaa D Lys 950 cccaq atcca atcca ct ga	ggcci	t tg: r Cy: tc gaca; tc c:	t gac s Asp ggcccc tg	3333 3380 3440
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220 221 222 223 224 225 226 227 228 229	aaa Lys gccc agcc	act Thr 955 etcca egggt	cac His age 1	aca Thr ccaag cgaca	tgc Cys ggcgg acgto	cca Pro gg acccc	ccg Pro 960 caggt	tgc Cys cgccc	cca Pro tag cti	ggta gagta toota	Gli aagco agco ca go Al	tgca cag c tgca ca cc la Pi	atcca atcca for Gi	a to s Se ggco agg ( aa c lu Lo 55 gac	t tg: r Cy: tc gacag tc c: eu Le	t gac s Asp ggcccc tg eu ctc	3333 3380 3440 3493
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220 221 222 223 224 225 226 227 228 229 230 231 232 233 234	aaa Lys gccc agcc ggg Gly atg	act Thr 955 etcca gggd gga Gly atc Ile 985	cac His agc f	aca Thr ccaac tca Ser cgg	tgc Cys ggcgg acgto gtc Val acc Thr	cca Pro gg acc cc ac ttc Phe cct Pro	ccg Pro 960 eaggt cctcc Ctc Leu gag Glu 990	tgc Cys catct ttc Phe 975 gtc	cca Pro tag ccc Pro aca Thr	ggta gagta cct cca Pro tgc Cys	agec ca gec Al aaa Lys gtg Val	tgca cag c tgca ca cc la Pi ccc Pro gtg Val 995	atcoa atcoa atcoa atcoa atcoa atcoa generally and a generally a gener	agg gaa clu Le 55 gac Asp	t tg: r Cy: tc gacag tc c: eu Le acc Thr gtg Val	ggcccc tg eu ctc Leu agc Ser	3333 3380 3440 3493 3541
220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235	aaa Lys gccc agcc ggg Gly atg Met	act Thr 955 etcca ggga Gly atc Ile 985 gaa	cac His agc f ccg Pro 970 tcc Ser	aca Thr ccaac tca Ser cgg Arg	tgc Cys ggcgg acgto gtc Val acc Thr	cca Pro gg acc cc ac ttc Phe cct Pro	ccg Pro 960 eaggt cctcc Ctc Leu gag Glu 990 aag	tgc Cys cgccc atct ttc Phe 975 gtc Val	cca Pro c tag ccc Pro aca Thr	ggta gagta ccta cca Pro tgc Cys	agec agec agec aaa Lys gtg Val	tgcag cola Process Program Values 995 gtg	atccache atccache garage Lys 980 gtg Val	agg gaa clu Le SS gac Asp gac Asp	t tg: r Cy: tc gacag tc c: eu Le acc Thr gtg Val	ggeece tg eu ctc Leu agc Ser	3333 3380 3440 3493 3541 3589
220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236	aaa Lys gccc agcc ggg Gly atg Met	act Thr 955 ctcca gggd gga Gly atc Ile 985 gaa Glu	cac His agc f ccg Pro 970 tcc Ser	aca Thr ccaac tca Ser cgg Arg	tgc Cys ggcggacgtc gtc Val acc Thr gag Glu	cca Pro gg acc cc ac ttc Phe cct Pro	ccg Pro 960 eaggt cctcc Ctc Leu gag Glu 990 aag	tgc Cys cgccc atct ttc Phe 975 gtc Val	cca Pro c tag ccc Pro aca Thr	ggta gagta ccta cca Pro tgc Cys tgg	agec agec agec aaa Lys gtg Val	tgcag cola Process Program Values 995 gtg	atccache atccache garage Lys 980 gtg Val	agg gaa clu Le SS gac Asp gac Asp	t tg: r Cy: tc gacag tc c: eu Le acc Thr gtg Val	ggeece tg eu ctc Leu agc Ser	3333 3380 3440 3493 3541 3589
220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237	aaa Lys gcccagcc ggg Gly atg Met cac	act Thr 955 ctcca gggd gga Gly atc Ile 985 gaa Glu	cac His agc 1 ccg Pro 970 tcc Ser gac Asp	aca Thr ccaaca tca Ser cgg Arg	tgc Cys ggcggacgtc gtc Val acc Thr gag Glu	cca Pro gg acc cc acc ttc Phe cct Pro gtc Val	ccg Pro 960 caggt cctcc Ctc Leu gag Glu 990 aag Lys	tgc Cys cgccc atct ttc Phe 975 gtc Val	cca Pro c tag ccc Pro aca Thr aac	ggta gagta ccta cca Pro tgc Cys tgg	agec agec agec aaa Lys gtg Val tac Tyr	tgca cag ( tgca ca cc la Pi ccc Pro gtg Val 995 gtg Val	atccase store at case store at garante case store at case st	a tos s Ses ggcon agg ( aa co lu Lo 55 gac Asp gac Asp	t tg: r Cy: tc gacag tc c: acc Thr gtg Val gtg Val	ggcccc ggcccc tg ctc Leu agc Ser gag Glu 1015	3333 3380 3440 3493 3541 3589
220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238	aaa Lys gccd agcd ggg Gly atg Met cac His 1000 gtg	act Thr 955 ctccc gggd gga Gly atc Ile 985 gaa Glu )	cac His age 1 tgc 1 ccg Pro 970 tcc Ser gac Asp	aca Thr  caag gaca tca Ser cgg Arg cct Pro	tgc Cys ggcgg gtc Val acc Thr gag Glu aag	cca Pro gg acc cc acc ttc Phe cct Pro gtc Val 1005 aca	ccg Pro 960 caggi cctco ctc Leu gag Glu 990 aag Lys	tgc Cys cgcccatct ttc Phe 975 gtc Val ttc Phe	cca Pro tag ccc Pro aca Thr aac Asn	ggta gagta ccta cca Pro tgc Cys tgg Trp	aagcc agcc aaa Lys gtg Val tac Tyr 1010	tgca tagca cag ( tgca ca cc la Pi ccc pro gtg Val 995 gtg Val cag	aatocca atocca atocca atocca gco G. 90 aags 980 gtg Val gac Asp	agg (saa ctlu Less See Asp gac Asp ggc Gly aac	t tgr Cystc	ggcccc ggcccc tg eu ctc Leu agc Ser gag Glu 1015 acg	3333 3380 3440 3493 3541 3589 3637
220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238	aaa Lys gccd agcd ggg Gly atg Met cac His 1000 gtg	act Thr 955 ctccc gggd gga Gly atc Ile 985 gaa Glu )	cac His age 1 tgc 1 ccg Pro 970 tcc Ser gac Asp	aca Thr  ccaag cgaca  tca Ser  cgg Arg  cct Pro	tgc Cys ggcgg gtc Val acc Thr gag Glu aag	cca Pro gg acc cc acc ttc Phe cct Pro gtc Val 1005 aca	ccg Pro 960 caggi cctco ctc Leu gag Glu 990 aag Lys	tgc Cys catch ttc Phe 975 gtc Val ttc Phe	cca Pro c tag ccc Pro aca Thr aac Asn	ggta gagta ccta cca Pro tgc Cys tgg Trp	aagcc agcc aaa Lys gtg Val tac Tyr 1010	tgca tagca cag ( tgca ca cc la Pi ccc pro gtg Val 995 gtg Val cag	aatocca atocca atocca atocca gco G. 90 aags 980 gtg Val gac Asp	agg () agg () agg () by Le standard Asp gac Asp gac Asp	t tgr Cystc	ggcccc ggcccc tg eu ctc Leu agc Ser gag Glu 1015 acg	3333 3380 3440 3493 3541 3589 3637
220 221 222 223 224 225 226 227 228 230 231 232 233 234 235 236 237 238 239 240	aaa Lys gccc agcc ggg Gly atg Met cac His 1000 gtg Val	act Thr 955 tccc egggd gga Gly atc Ile 985 gaa Glu ) cat His	cac His agc 1 cgc 1 ccg Pro 970 tcc Ser gac Asp	aca Thr ccaag cgaca tca Ser cgg Arg cct Pro	tgc Cys ggcgg gtc Val acc Thr gag Glu 1 aag Lys	cca Pro gg ac ttc Phe cct Pro gtc Val 1005 aca Thr	ccg Pro 960 eaggic cctc Ctc Leu gag Glu 990 aag Lys	tgc Cys catch ttc Phe 975 gtc Val ttc Phe	cca Pro tag ccc Pro aca Thr aac Asn	ggta gagta cccta cca Pro tgc Cys tgg Trp gag Glu	Gli aagec ca ge Al aaa Lys gtg Val tac Tyr 1010 gag Glu	tgcag ( tgcag	atccca atccca atccca atccca atccca of G 90 aag Lys 980 gtg Val gac Asp tac Tyr	agg (state of the control of the con	t tgr Cystc  gacaa tc cr eu Lo acc Thr gtg yal gtg yal agc Ser 1030	ggcccc tg ctc Leu agc Ser gag Glu 1015 acg	3333 3380 3440 3493 3541 3589 3637
220 221 222 223 224 225 227 228 230 231 233 234 235 236 237 238 240 241	aaa Lys gcccagcc ggg Gly atg Met cac His 1000 gtg Val	act Thr 955 ttccc egggd gga Gly atc Ile 985 gaa Glu ) cat His	cac His agc 1 cgc 1 cgc 1 ccg Pro 970 tcc Ser gac Asp aat Asn gtg	aca Thr ccaag cgaca tca Ser cgg Arg cct Pro	tgc Cys ggcgg ggcgtc Val acc Thr gag Glu 1 aag Lys 1020 agc	cca Pro gg acc cc ac ttc Phe cct Pro gtc Val L005 aca Thr	ccg Pro 960 2agggi cctcc Ctc Leu gag Glu 990 aag Lys aag Lys	ttc Phe 975 gtc Val ttc Phe	cca Pro tag ccc Pro aca Thr aac Asn cgg Arg	ggta gagta ccca cca Pro tgc Cys tgg Trp gag Glu 1025 ctg	Gli aagec ca gc Al aaa Lys gtg Val tac Tyr 1010 gg Glu cac	tgcag ( tgcag ( tgcag cccag cccag Pro gtg Val 995 gtg Val cag Gln cag	aac 950 Lys 950 Lys 950 Coccas atcocc 960 aag Lys 980 gtg Val gac Asp	agg (caa chaa chaa chaa chaa chaa chaa chaa	t tg: r Cy: tc  acc Thr gtg Val gtg Val acc Ser 1030 ctg	ggcccc tg ctc Leu agc Ser gag Glu 1015 acg Thr	3333 3380 3440 3493 3541 3589 3637 3685

RAW SEQUENCE LISTING PATENT APPLICATION: US/09/155,514A

Input Set : A:\09155514.app
Output Set: N:\CRF3\07182000\I155514A.raw

DATE: 07/18/2000 TIME: 13:51:00

244 ggc aag gag tac aag tgc aag gtc tcc aac aaa gcc ctc cca gcc ccc 245 Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro	3781
246 1050 1055 1060 247 atc gag aaa acc atc tcc aaa gcc aaa ggtgggaccc gtggggtgcg	3828
249 1065 1070	tac 3888 3937
252 caacctctgt cctaca ggg cag ccc cga gaa cca cag gtg tac acc ctg 253 Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu 254 1075 1080	n 3985
255 ccc cca tcc cgg gat gag ctg acc aag aac cag gtc agc ctg acc tgc 256 Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys 257 1085 1090 1095	
258 ctg gtc aaa ggc ttc tat ccc agc gac atc gcc gtg gag tgg gag agc 259 Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Sec	L
260 1100  261 aat ggg cag ccg gag aac aac tac aag acc acg cct ccc gtg ctg ga 262 asg Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu As	t 4081
263 1120 1125 1130 264 tcc gac ggc tcc ttc ttc ctc tac agc aag ctc acc gtg gac aag ag 265 Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Se	c 4129
266 1135 1140 1145	t 4177
268 Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Al 269 1150 1155 1160 270 ctg cac aac cac tac acg cag aag agc ctc tcc ctg tct ccg ggt aa	a
271 Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Ly 272 1165 1170 1175	s 4228
273 tga	7220

VERIFICATION SUMMARYDATE: 07/18/2000PATENT APPLICATION:US/09/155,514ATIME: 13:51:02

Input Set : A:\09155514.app

Output Set: N:\CRF3\07182000\I155514A.raw

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L:7 M:283 W: Missing Blank Line separator, <130> field identifier
L:8 M:282 W: Numeric Field Identifier Missing, <140> CURRENT APPLICATION NUMBER: is Added.
{\tt L:8~M:271~C:} Current Filing Date differs, Replaced Current Filing Date
L:15 M:283 W: Missing Blank Line separator, <160> field identifier
L:184 M:254 E: No. of Bases conflict, LENGTH:Input:2588 Counted:2544 SEQ:1
L:505 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4
L:507 M:283 W: Missing Blank Line separator, <400> field identifier
L:516 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5
L:528 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6
L:541 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7
L:554 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8
L:566 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:9
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L:590 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11 L:602 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:12
L:612 M:283 W: Missing Blank Line separator, <220> field identifier
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L:968 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:20
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L:1041 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
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